EP 1 152 120 A3 (11)

(12)

## **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3: 12.06.2002 Bulletin 2002/24 (51) Int Cl.7: E21B 43/10, E21B 43/08

- (43) Date of publication A2: 07.11.2001 Bulletin 2001/45
- (21) Application number: 01304042.3
- (22) Date of filing: 03.05.2001
- (84) Designated Contracting States: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR Designated Extension States: AL LT LV MK RO SI
- (30) Priority: 05.05.2000 US 565899
- (71) Applicant: Halliburton Energy Services, Inc. Dallas, Texas 75381-9052 (US)
- (72) Inventors:
  - · Castano-Mears, Ana M. Coppell, Texas 75019 (US)
  - · Gano, John C. Carrollton, Texas 75007 (US)
  - · Echols, Ralph H. Carrollton, Texas 75287 (US)
- (74) Representative: Curtis, Philip Anthony et al A.A. Thornton & Co., 235 High Holborn London WC1V 7LE (GB)
- (54)Expandable well screen
- An expandable well screen (36) provides increased collapse, torsional and tensile strength. In an embodiment, the expandable well screen (36) includes a generally tubular base pipe (38) and an external filtering media (40). The well screen (36) is configured to have sufficient torsional and tensile strength for conveyance and positioning in a wellbore, while also having sufficient strength to prevent collapse when the screen (38) is radially expanded.

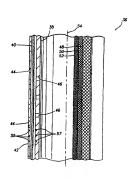


FIG.2

BEST AVAILABLE COPY



European Patent Office

## EUROPEAN SEARCH REPORT

Application Number EP 01 30 4042

		DERED TO BE RELEVANT		+
Category	of relevant p	n indication, where appropriate, ustages	Relevant to daim	CLASSIFICATION OF THE APPLICATION (Int.CLT)
X	FR 2 771 133 A (DI 21 May 1999 (1999 * claim 1 * * figures 6,7 *	RILLFLEX) -05-21)	1,9	E21843/10 E21843/08
x	US 3 099 318 A (MI 30 July 1963 (1963 * column 7, line 2 * figures 1-4 *		1,9	
	WO 98 49423 A (SHE RESEARCH (NL)) 5 November 1998 (1 * page 4, line 28- * figures 3,4 *	LL CANADA LTD ;SHELL IN 998-11-05) 35 *	7	
- 1	US 5 901 789 A (KE AL) 11 May 1999 (1 * the whole docume		1,3,5, 7-10	
0.0				TECHNICAL FIELDS
				E21B
	The present search report has			
	HE HAGUE	19 April 2002	Scho	uten, A
X : partice Y : partice docum A : techno	TEGORY OF CITED DOCUMENTS stury relevant if taken alone stury relevant if combined with and ent of the sterie cat egory logical background ritten disclosure	T theory or principl E awriter patent do	is underlying the ar- current, but publish to in the application	

## ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 01 30 4042

This arise less the petant striffy memoranesisty to the patent documents cloud in the above-mentioned European search report. The memoran is do scorationed in the European Patent Office EPP file on The European Patent Office is in no wey label for these particulars which are merely given for the purpose of Information.

19-04-2002

	Patent docume cited in search re	ent aport	Publication date		Parent family member(s)	Publication date
FR	2771133	Α	21-05-1999	FR	2771133 A1	21-05-1999
				AU	1159199 A	07-06-1999
				MO	9925951 A1	27-05-1999
US	3099318	A	30-07-1963	NONE		
WO	9849423	A	05-11-1998	AU	717503 B2	30-03-2000
				AU	7651798 A	24-11-1998
				BR	9809005 A	08-08-2000
				MO	9849423 A1	05-11-1998
				EP	0980462 A1	23-02-2000
				NO	995248 A	27-10-1999
us :	5901789	Α	11-05-1999	AU	710745 B2	30-09-1999
				AU BR	7568096 A	29-05-1997
				DE	9611456 A	17-02-1999
				EA	69617258 D1 980433 A1	03-01-2002
				WO	9717524 A2	29-10-1998
				EP	0859902 A2	15-05-1997
				JP	11514712 T	26-08-1998 14-12-1999
				NO	982087 A	07-07-1999
				NZ	322015 A	28-10-1998
				ÜŠ	6012522 A	11-01-2000
						11-01-2000

For more details about this annex; see Official Journal of the European Patent Office, No. 12/82